



# Morrow MS Red clover

## Legumes & Herbs

Stock Type

Dairy, Sheep, Beef, Deer

Grow. Graze. Repeat. Morrow multi-stemmed (MS) red clover brings better grazing tolerance to your farm, plus high yield in summer and autumn.

## Great pedigree

Morrow comes from a tough family. Most red clovers wouldn't last long under intensive rotational dairy grazing on light, upper North Island soils. But Morrow's parents did, growing well, even after repeated droughts.

We took plants from these pastures, and selected the best of them for high yield, persistence and flowering to create a multi-stemmed red clover with improved production and persistence under grazing.

## Quality + yield when it counts

High energy and high yield together create ideal late spring and summer finishing feed, giving great quality as grass energy levels drop, and driving rapid liveweight gains for lambs and cattle.

### Red clover seasonal yield in dryland Canterbury\*

Entry	Early Spring	Late Spring	Summer	Autumn	Winter	Total Yield
Morrow	6.4 a	7.0 a	7.4 a	7.7 a	5.4 a	6.8 a
Tuscan	6.1 ab	6.7 a	5.5 b	6.0 ab	6.1 a	6.1 ab
Rossi	5.2 ac	5.7 ab	5.3 bc	6.3 ab	5.5 a	5.5 b
Relish	4.3 c	4.3 b	3.7 c	5.3 b	3.0 b	4.0 c
Trial mean	4.9	5.6	5.4	5.8	4.4	5.3
%CV	20.1	18.0	16.5	18.4	21.3	12.8

\*Data from 2 years of pure sward trial, grazed by sheep. Trial sown 2016. Yield visually scored on 1-9 basis, where 9 = highest yield.

## Longevity

Red clover's biggest drawback has always been limited persistence under grazing. Morrow's improved grazing tolerance – helped by its high stem count and semi-prostrate form - means it keeps animals happy year on year. Like all red clovers, it persists best on free-draining soils under a longer summer grazing round.



*Heads down - excellent summer yield and feed quality make Morrow ideal for finishing.*

## CRW tolerance

Red clover is less bothered than white clover by clover root weevil. Sow Morrow and you get more diverse pastures with strong legume content.

## Free N

Red clover naturally fixes its own nitrogen. Based on its yield, Morrow can fix over 200 kg N/ha, or about 25 kg/N per tonne of dry matter grown.

## Phyto-oestrogen levels

Morrow has low-medium phyto-oestrogen levels. Even so, take care with ewes or hoggets 3-6 weeks either side of mating. High red clover intake at this time is best avoided.



# Sowing Morrow

All systems		kg/ha
Productive, persistent clover combination	Perennial ryegrass Morrow red clover <i>Kotuku</i> or <i>Ruru</i> white clover	18-30 6 4
	Total	28-40
Sheep, Beef, Deer		kg/ha
Two year high LWG finishing Crop	Captain CS plantain Laser Persian clover Morrow MS red clover <i>Ruru</i> white clover	10 4 6 4
	Total	24
Tetraploid perennial ryegrass - finishing		kg/ha
Fantastic feed quality and animal performance	4front tetraploid perennial ryegrass <i>Ruru</i> white clover Apex white clover Morrow MS red clover Captain CS plantain	24 2 2 6 2-4
	Total	36-38

Morrow Red Clover is owned & marketed by Barenbrug, & protected under the NZ Plant Variety Rights Act

**Grow with confidence**

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